

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/00442

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C07D 401/04, C07D 409/14, C07D 405/14, A61K 31/445, A61P 37/00, A61P 11/06, A61P 31/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C07D, A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, CHEM.ABS.DATA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|-----------|---|-----------------------|
| X         | WO 0177101 A1 (ASTRAZENECA AB), 18 October 2001<br>(18.10.01)<br>--   | 1-10                  |
| X         | WO 0066559 A1 (SCHERING CORPORATION),<br>9 November 2000 (09.11.00)<br>--   | 1-10                  |
| A         | WO 0129066 A2 (MENARINI RICERCHE S.P.A.),<br>26 April 2001 (26.04.01), RN 34942-07-3 page 5,<br>line 15 - line 19, page 22, line 23 - line 28<br>-- | 1-10                  |
| A         | WO 9641631 A1 (ELI LILLY AND COMPANY),<br>27 December 1996 (27.12.96), page 16,<br>line 19 - page 17, line 21<br>--                                 | 1-10                  |

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

26 May 2003

Date of mailing of the international search report

06-06-2003

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## INTERNATIONAL SEARCH REPORT

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PCT/SE 03/00442

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | WO 9310091 A2 (GLAXO GROUP LIMITED), 27 May 1993<br>(27.05.93), RN 150072-9-6, page 69, line 24 - line<br>25, page 54, line 14 - line 22<br>--   | 1-10                  |
| A         | STN International, File CAPLUS, CAPLUS accession<br>no. 1988:630911, document no. 109:230911,<br>Lehmann, Jochen et al: "Lactones. XVIII. Synthesis<br>of lactone-bridged 1,1-diarylpropanamines"; &<br>Arch. Pharm. (Weinheim, Ger.), 1988, 321(8),<br>443-5<br>----- | 1-10                  |

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## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 10  
because they relate to subject matter not required to be searched by this Authority, namely:  
**see next sheet**
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

Claim 10 relates to methods of treatment of the human or animal body by surgery or by therapy or diagnostic methods practised on the human or animal body (Rule 39.1(iv)). Nevertheless, a search has been executed for this claim. The search has been based on the alleged effects of the compounds or compositions. These alleged effects must be well defined diseases or conditions. The expression "a chemokine mediated disease state" may relate to a number of different disorders and conditions, which can not be clearly defined by this expression. Thus, the search has mainly been restricted to the diseases mentioned in the description on pages 10 to 13.

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

29/04/03

International application No.

PCT/SE 03/00442

| Patent document<br>cited in search report |         |    | Publication<br>date | Patent family<br>member(s) |              | Publication<br>date |
|---|---------|----|---------------------|----------------------------|--------------|---------------------|
| WO  | 0177101 | A1 | 18/10/01            | AU                         | 4699701 A    | 23/10/01            |
|   |         |    |                     | BR                         | 0109922 A    | 18/02/03            |
|   |         |    |                     | EP                         | 1274701 A    | 15/01/03            |
|   |         |    |                     | GB                         | 0008626 D    | 00/00/00            |
|   |         |    |                     | NO                         | 20024774 A   | 29/11/02            |
|   |         |    |                     | US                         | 6525070 B    | 25/02/03            |
|   |         |    |                     | US                         | 2002077337 A | 20/06/02            |
|   |         |    |                     | GB                         | 0019111 D    | 00/00/00            |
|   |         |    |                     | SE                         | 0003664 D    | 00/00/00            |
| WO  | 0066559 | A1 | 09/11/00            | AU                         | 4501000 A    | 17/11/00            |
|   |         |    |                     | BR                         | 0010607 A    | 13/02/02            |
|   |         |    |                     | CA                         | 2371587 A    | 09/11/00            |
|   |         |    |                     | CN                         | 1349504 T    | 15/05/02            |
|   |         |    |                     | CZ                         | 20013941 A   | 17/04/02            |
|   |         |    |                     | EP                         | 1175402 A    | 30/01/02            |
|   |         |    |                     | JP                         | 2002543186 T | 17/12/02            |
|   |         |    |                     | NO                         | 20015365 A   | 03/01/02            |
|   |         |    |                     | SK                         | 15672001 A   | 04/06/02            |
|   |         |    |                     | TR                         | 200103213 T  | 00/00/00            |
| WO  | 0129066 | A2 | 26/04/01            | AU                         | 7919900 A    | 30/04/01            |
|   |         |    |                     | CN                         | 1382154 T    | 27/11/02            |
|   |         |    |                     | EP                         | 1224210 A    | 24/07/02            |
|   |         |    |                     | IT                         | 1307809 B    | 19/11/01            |
|   |         |    |                     | IT                         | FI990217 A   | 23/04/01            |
| WO  | 9641631 | A1 | 27/12/96            | AU                         | 5966096 A    | 09/01/97            |
|   |         |    |                     | EP                         | 0747055 A    | 11/12/96            |

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

29/04/03

International application No.  
PCT/SE 03/00442

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
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| WO 9310091 A2                             | 27/05/93            | AP 330 A                   | 30/03/94            |
|   |                     | AP 9200447 D               | 00/00/00            |
|   |                     | AU 2915892 A               | 15/06/93            |
|   |                     | CN 1073169 A               | 16/06/93            |
|   |                     | EP 0542363 A               | 19/05/93            |
|   |                     | EP 0612313 A               | 31/08/94            |
|   |                     | GB 9124221 D               | 00/00/00            |
|   |                     | IL 103746 D                | 00/00/00            |
|   |                     | JP 7501063 T               | 02/02/95            |
|   |                     | MX 9206541 A               | 01/04/93            |
|   |                     | ZA 9208768 A               | 09/08/93            |
|   |                     | DE 69219773 D,T            | 02/01/98            |
|   |                     | EP 0587709 A,B             | 23/03/94            |
|   |                     | SE 0587709 T3              |                     |
|   |                     | GB 9201052 D               | 00/00/00            |
|   |                     | JP 7502071 T               | 02/03/95            |
|   |                     | NO 934529 A                | 10/12/93            |
|   |                     | US 5516586 A               | 14/05/96            |